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WEATHER, p. 2 SAT: 70°F | 50°F Partly cloudy SUN: 68°F | 49°F

Volume 132, Number 37 Friday, September 14, 2012



Former MIT professor Steven A. Pinker delivers a talk on "Communicating Science and Technology in the 21st Century," on Wednesday afternoon in 34-101. The talk, which was the first annual Nuclear Science and Engineering lecture on scientific communication, was attended by over 300 people.

## Higher prices, new LaVerde's

## Sandwich price changes not received well by some

By Leon Lin

Over the summer, LaVerde's Market reset its shelves, switched up the grill's sandwich menu, and installed a shiny new beverage section. But along with those changes, the convenience store has upped its prices.

The beverage section got its new f'real smoothie machines and Coca-Cola Freestyle drink machine in mid-August. The touchscreen self-service devices are "state-of-the-art," said Caroline Trainor, spokesman for LaVerde's. She said the store is moving into the 21st century: LaVerde's now has a Twitter, and will be getting a Facebook page and a Foursquare account soon.

Among other changes, the \$5 footlongs have been replaced by the "Signature," "Artisan," and "Premium" series of sandwiches, in order of increasing price. The new premium "Cuban" and "Reactor" sandwiches are \$6.49 each, while the signature options are \$4.99.

Those who used to pay \$2.50 for any breakfast sandwich are now limited to \$2.50 for pre-made sandwiches from 7 to 9:30 a.m., a deal dubbed the "Sunrise Special." After 9:30 a.m. or for any fresh sandwich, it is \$2.99 for a sandwich on a bagel and \$3.99 for a croissant.

"It's just rude," said Joy S. Ekuta '13. "I think it's rude to increase the prices over the summer." But she says she doesn't blame LaVerde's exclusively, noting simi-

LaVerdes, Page 6

## Fresco's closes after 21 years of service to community

## Owners of diner at corner of Mass. Ave. and Vassar just want to say thank you to their patrons

By Bruno B.F. Faviero STAFF REPORTER

Fresco's Cafe and Grille, a restaurant on the northwest corner of Vassar and Mass. Ave., will be closing after 21 years of operation.

"The MIT community is great, but it's time to take a break," said Maria, who runs the restaurant with her husband Jim, both of whom preferred not to share their last name. "It's all we've known," said Maria. "Faculty, students — never one complaint."

The small restaurant is a special place to those who frequent it. One diner at Fresco's, researcher Chathan "Chat" M. Cooke PhD '70, has been a patron at the restaurant since it opened. "It's such a treasure to have this in your neighborhood," said Cooke. "I have visitors from different labs around the country ... and they've said this alone is reason to

"We want the MIT community to know how thankful we are," said Jim, for whom thanking the community seemed a top priority. "I wish I could tell them 'Thank you' in capital letters." The two were also thankful for the loyalty of regulars, such as MIT Financial Coordinator Stephen M. Downey, who was conversing with Jim and Maria on Thursday afternoon while waiting for his order.

"I've been going here for 13 years," said Downey. "I love it."

Fresco's will operate normally though its last day - today. They close at 4 p.m., and the sign on the door only subtly hints at their permanent closing: "Friday: 7-4, Saturday: Closed, Sunday: Closed."

"It's been business as usual," said Maria, of the past week. Construction has obscured the small restaurant for the last several months, its neon signs hidden behind dust covers and scaffolding, but Maria said that patronage was "not at all" affected by the it.

She said that the break will be somewhat of a sabbatical — the two owners haven't taken a vacation in 21 years — and they plan to come back "in the future, definitely." In the meantime, patrons haven't thought about what might go in its place.

"I'm just trying to enjoy the last few days," said Downey. Cooke added, "If you don't know food, you say, 'Oh, it's just another place,' but actually, the quality is really, really high, and the price is unbelievable. I can't imagine what else they would put in here that would be better."

After 21 years, Jim and Maria only have one heartfelt message to the MIT community: THANK YOU.

#### IN SHORT

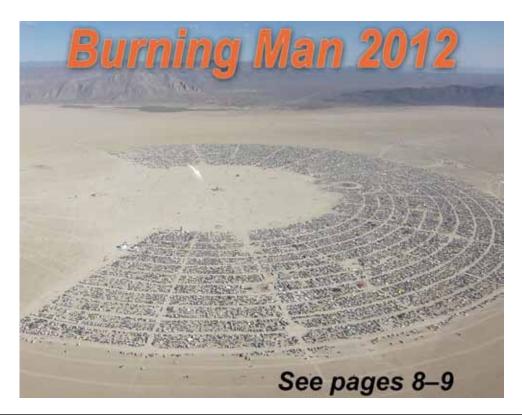
Fred Fest V is tonight! Visit the EC courtyard between 7:30 p.m. to midnight for a free concert.

Watch 10 Things I hate About You free on Kresge Lawn tonight at 8 p.m., courtesy of the MIT Shakespeare Ensemble.

Tickets for the Fall Festival are available for presale now and will go on full sale on Sunday. Comedians Michael Ian Black and Hannibal Buress will come to MIT on Oct. 5. Tickets are \$10 for MIT students and \$20 for other college students.

**Give blood!** Today 1–6 p.m. is the last day to give blood, go to La Sala de Puerto Rico. You even get a free Red Sox t-shirt.

Send news information and tips to news@tech.mit.edu.



## Number six? Not too shabby

MIT is tied with Stanford for the sixth place spot in the U.S. News and World Report's 2013 national college rankings. Ranked ahead of the Institute stand lumbia tied for fourth with University of Chicago, Yale in third, and Princeton tied for first with Harvard.

MIT was fifth in the 2012 rankings, tied with Caltech, Stanford, UChicago, and the University of Pennsylvania. Most rankings fluctuate from year to year and are not necessarily a reflection of the college being worse or better than it was the year before. Harvard and Princeton were tied for No. 1 in 2012 as well, with Harvard holding at least part of No.1 title since 2011.

In addition, MIT beat out Harvard for the number one spot in the QS World Rankings, which ranks universities worldwide.

—Stan Gill

#### **OBAMA ON THE BAILOUT**

Obama's stance on the bailout is a headscratcher.

OPINION, p. 5

#### **SMARTPHONE = DUMB?**

How these devices degrade our culture. OPINION, p. 4

## THE US OPEN

Sizing up the latest Grand Slam. SPORTS, p. 13



## MONEY, MONEY, **MONEY**

Check out Arbitrage, a high-finance thriller from Nicholas Jarecki. ARTS, p. 10

## THE NFL: WEEK 2

Predictions for the coming games! SPORTS, p. 13

#### **SECTIONS**

World & Nation	. 2
Opinion	.4
Campus Life	3.
Arts	10
Sports	13
Fun Pages	1/

## Anger and grief across Karachi after factory fire

KARACHI, Pakistan — The towering metal door at the back of the burned-out garment factory could have been an escape for many of the low-paid textile workers caught in the fire here Tuesday. Instead, it stands as a testament to greed and corruption at a factory where 289 trapped employees died.

Instead of letting the workers escape, several survivors said Thursday, plant managers forced them to stay in order to save the company's stock: piles of stonewashed jeans, destined for Furone

"They prevented people from leaving, so they could save the clothes," said Shahzad, a stone-faced man in sweat-drenched clothes, standing in the blacked corridors of the factory. Karachi buried its dead Thursday amid grief and recrimination over the deadliest industrial accident in Pakistan's 65-year history.

At the factory, known as Ali Enterprises, rescue workers quenched the last flames 48 hours after they started. Volunteers cast bundles of smoldering jeans, apparently destined for shops in Germany, from a first-floor window.

Meanwhile, the police spent a second day hunting the factory's three owners, who now face possible charges of conspiracy to commit murder.

—Declan Walsh, The New York Times

## Events abroad take bigger slice of campaign debate

GOLDEN, Colo. — President Barack Obama and Mitt Romney entered new political terrain Thursday as their campaign debate moved more solidly onto issues of foreign policy.

With the killings of four U.S. diplomats in Libya thrusting foreign policy to the forefront of the race, Romney sought to broaden his indictment of Obama's approach to the world a day after he was roundly criticized for his initial reaction to the president's handling of the crisis in Libya and Egypt.

But officials in the Obama campaign were almost welcoming the fight, saying they were glad to be challenged on what they now consider the comfortable territory of foreign policy. In spite of the rapidly unfolding events in the Mideast, Obama decided to continue his campaign schedule, and he spent the second day of what was to be an upbeat swing through the politically vital Mountain West on Thursday balancing the somber tone that a foreign policy crisis demands and the partisan speech that 8,000 Coloradans came to hear in Golden.

At an outdoor rally, Obama began with a sad reminder of the four Americans' deaths in Libya.

"Obviously, our hearts are heavy this week," Obama said. But he vowed to his wider television audience, "I want people around the world to hear me — to all those who would do us harm: No act of terror will go unpunished," adding, "no act of violence shakes the resolve of the United States of America."

—Jim Rutenberg and Ashley Parker, The New York Times

## Investors wary over giant aerospace deal

LONDON — Shares of the European aerospace giants EADS and BAE Systems tumbled Thursday as investors reacted negatively to the announced merger talks between the two companies.

A leading shareholder in EADS, which is the parent of Airbus, also said it would have to review the consequences of the potential merger before making a decision about the deal.

If completed, the deal would create an industry giant with a combined market value of almost \$50 billion, annual revenue of more than \$90 billion; it would employ around 220,000 people worldwide. Shares in EADS fell 10.2 percent by the close of trading in Paris on Thursday, while stock in BAE Systems, which is listed in London, dropped 7.3 percent.

—Mark Scott, The New York Times

## Libya attacks came in two waves, official says

By Suliman Ali Zway and Rick Gladstone

THE NEW YORK TIMES

BENGHAZI, Libya — The mayhem here that killed four U.S. diplomatic personnel, including the ambassador, was actually two attacks — the first one spontaneous, and the second highly organized and possibly aided by anti-American infiltrators of the young Libya government, a top Libyan security official said Thursday.

The account by the official, Wanis el-Sharif, given to a few reporters here, was the most detailed yet of the chaotic events on Tuesday in this eastern Libyan city that killed J. Christopher Stevens, the first U.S. ambassador killed in more than 30 years.

The deaths occurred amid a wave of anti-U.S. protests convulsing the Middle East, inspired by an inflammatory anti-Islamic video, "The Innocence of Muslims," that has spread on the Internet in recent days since it was publicized in Egypt. Protests expanded Thursday to at least a half-dozen other coun-

tries, including Iran.

El-Sharif, a deputy interior minister, said Stevens and a second U.S. diplomat, Sean Smith, were killed in the initial attack, which began as a disorganized but angry demonstration by civilians and militants outside the U.S. Consulate on Tuesday, the anniversary of the Sept. 11, 2001, attacks. The protest escalated into an assault by as many as 200 people, some armed with grenades, who set the building on fire.

The second wave, el-Sharif said, was hours later, when the consulate staff had been spirited to a safe house in a villa a mile away. At that point, a team of Libyan security officials were evacuating them into a convoy, guarded by Marines and Libyan security officials who had been flown from Tripoli to retrieve them

El-Sharif said the second attack was a premeditated ambush on the convoy by assailants armed with rocket-propelled grenades and who apparently knew the route the vehicles were taking. The other two Americans — identified on Thurs-

day as Tyrone S. Woods and Glen A. Doherty, both former members of the Navy SEALs — were killed in that assault. At least 12 Americans and 18 Libyan security officials were wounded, el-Sharif said.

"The first part was chaotic and disorganized. The second part was organized and planned," he said. The ambushers in the second assault, he said, apparently "had infiltrators who were feeding them the information."

Parts of el-Sharif's account were not consistent with what other Libyan witnesses have said, and his version has not been corroborated by U.S. officials, who have said it remains unclear how and where Stevens was killed. Many Libyans considered Stevens a hero for his support of their uprising last year against Moammar Gadhafi.

Two Libyans who were injured while guarding the consulate said that contrary to el-Sharif's account, there was no indication within the consulate grounds that a mass protest, including members of armed groups, had been brewing outside.

# French coalition split over how much to cut nuclear power

By Nicola Clark

THE NEW YORK TIMES

PARIS — After just four months in power, the governing coalition of the Socialist Party and the Greens is already marred by deep ideological divisions over energy policy, in particular how quickly and sharply France should move to reduce its heavy dependence on nuclear energy.

The risks are especially acute for the Greens, who are savoring their first taste of governmental power here in a decade. Francois Hollande, the Socialist victor in May's presidential elections, appointed two prominent Greens to ministerial posts within his 38-member Cabinet, including the party's former leader, Cecile Duflot.

But a series of compromises and back-room deals on nuclear power has placed the Green Party's leadership at odds with its activist, environmentalist base, and rising tensions are prompting some to wonder whether the alliance can survive Hollande's five-year mandate.

Those frictions are likely to be evident at a two-day government conference on energy and the environment, which begins Friday.

Jean-Pierre Le Goff, a sociologist at France's National Center for Scientific Research, said he was not sure the alliance would last.

"It is very much an open question," he said. "The nuclear debate is an old one, but it is emblematic of how, within the left, and even within the center of the Socialist party, there are some very strong contradictions."

Desperate to secure the votes needed to defeat Nicolas Sarkozy, the center-right incumbent, the Socialists agreed last year not to field any candidates in around 60 constituencies. In exchange, the Greens accepted the Socialists' goal of reducing France's dependence on nuclear power for energy to 50 percent from 75 percent by 2025 — far short of the Greens' own goal of zero.

The Greens then made major gains in parliamentary elections in June, securing 17 seats in the 577-seat National Assembly and enough electoral weight to form their own parliamentary group.

"The Socialists are starting to realize that they gave a very generous gift to the Greens," said Pascal Perrineau, director of the Center for Political Research in Paris, who noted that the Green presidential candidate, Eva Joly, was eliminated in the first round of voting, with a humiliating 2.3 percent of the ballot. "The Greens are a small party, but they have been very well paid."

An accidental release of chemical steam last week at Fessenheim, the country's oldest nuclear reactor, has once again revived the debate over France's nuclear future.

WEATHER

# Pleasant weekend to follow pleasant week

By Shaena Berlin STAFF METEOROLOGIST

This week brought a reprieve from last week's rain, with clear skies and temperatures in the upper 70°F. Over this weekend, temperatures will become slightly cooler, but the sunny weather should remain.

Elsewhere, flames are wreaking havoc in the forms of wildfires and volcanoes.

Severe fires burn in WY, WA, MT, OR, UT, CA, and ID; much of the West experienced a near-record dry summer this year. An eruption began on Thursday on the Acatenango volcano in Guatemala; 33,000 people evacuated as ash clouds burst two miles high. Large quantities of wildfire and volcanic smoke in affected regions have decreased air quality and caused respiratory illnesses.

#### **Extended Forecast**

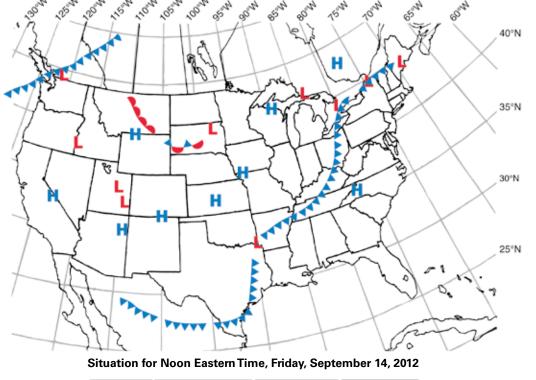
**Today:** Sunny and pleasant. High 79°F (26°C). Wind from the SSW at 5-15 mph.

**Tonight:** Partly cloudy with a slight chance of rain and SW wind at 10 mph. Low 62°F (17°C).

**Tomorrow:** Mostly cloudy in the morning, then clear. High near 70°F (21°C) and low near 50°F (10°C). NW wind around 10 mph.

**Sunday:** Cooler. Clear, with high near 68°F (20°C) and low around 49°F (10°C).

**Monday:** Partly cloudy. High in the lower 70°s F (23°C). Low in the upper 50°s F (15°C).





## OECD finds new signs of weakness in world economy

By Stephen Castle THE NEW YORK TIMES

LONDON - More evidence of a weakening global economy emerged Thursday ahead of the Federal Reserve's decision to take aggressive new steps to stimulate growth in the United States.

A report from the Organization for Economic Cooperation and Development pointed to a slowdown in the coming months in Italy, China, India, and Russia, with weak growth in France and Germany — the two biggest economies of the struggling eurozone.

The study focused on indicators that aim to anticipate turning points in economic activity. They show signs of slightly slower growth in Japan and the U.S., while for Britain and Brazil, they point tentatively to a pickup in activity, albeit at a slow rate, the organization said.

A separate report from the OECD said business spending on research and development — one measure of economic strength fell 4.5 percent in 2009 in the 34 countries that are members of the organization. Only France and South Korea went against expectations, increasing their spending.

Spending in Asian economies, including some like China and India, which are not members of the OECD, continued to increase. Year-on-year growth in research and development spending by Chinese businesses increased by

29.5 percent in 2010 and by 20.5 percent in South Korea and India.

That means that the crisis has accelerated China's share in global research and development spending, which climbed from seven percent in 2004 to 10.5 percent in 2008 and jumped to 13 percent in 2009, the report said.

European stocks closed mostly lower ahead of the Fed's announcement of a third round of bond buying to bolster the U.S. economy. The Euro Stoxx 50, a barometer of eurozone blue chips, lost 0.84 percent. The German DAX stock index dropped 0.45 percent, while the CAC 40 in France lost 1.18 percent. The FTSE 100 in Britain, however, ended up 0.65

## Fed ties new aid to jobs recovery in forceful move Thursday

By Binyamin Appelbaum

THE NEW YORK TIMES

WASHINGTON — The Federal Reserve opened a new chapter Thursday in its efforts to stimulate the economy, saying that it intends to buy large quantities of mortgage bonds, and potentially other assets, until the job market improves substantially.

This is the first time that the Fed has tied the duration of an aid program to its economic objectives. And, in announcing the change, the central bank made clear that

its primary reason was not a deterioration in its economic outlook but a determination to respond more forcefully — in effect, an acknowledgment that its incremental approach until now had been flawed.

The concern about unemployment also reflects a significant shift in the priorities of the nation's central bank, which has long focused on inflation.

Inflation is now running below the Fed's 2 percent annual target. But with the unemployment rate above 8 percent, the Fed's policymaking committee suggested Thursday that it might tolerate a period of somewhat higher inflation, promising to maintain stimulus efforts "for a considerable time after the economic recovery strengthens."

"The weak job market should concern every American," the Fed's chairman, Ben S. Bernanke, said at a news conference.

The goal of the new policies, he added, "is to quicken the recovery, to help the economy begin to grow quickly enough to generate new

## Mexico announces capture of Gulf cartel leader

MEXICO CITY — In a major strike against one of the largest drug-trafficking organizations, the Mexican navy said Thursday that it had detained one of the most sought-after drug kingpins in Mexico and the United States, the top leader of the Gulf Cartel.

In an early morning news conference in Mexico City, the man, Jorge Eduardo Costilla Sanchez, who faces an array of charges in both countries, was marched before reporters by masked marine guards. A stocky man handcuffed in front and dressed in a checkered shirt and jeans and wearing a bulletproof vest, he looked sternly at the gathering, standing before a table covered with rifle parts, fancy jewelry, a couple of gold-plated handguns and other goods seized during his arrest Wednesday evening.

Jose Luis Vergara, a marine spokesman reading a statement, said Costilla, 41, known as El Coss, was detained without any resistance by about 30 marines around 6 p.m. in Tampico in northeastern Tamaulipas State. Several other people detained with him were also shown to reporters, some of them with facial cuts and bruises.

The arrest gives Mexican forces a notable victory in their battle against drug-trafficking leaders, days ahead of Mexican Independence Day celebrations, and presents another blow to the Gulf Cartel, one of the three principal groups feeding rampant violence in the country. Costilla has been wanted by the United States since 2002 on charges including drug trafficking, money laundering and threatening to assault and murder federal law enforcement agents, and his arrest sets up the possibility of an extradition.

—Randal C. Archibold, The New York Times

## Chinese ships enter waters controlled by Japan

TOKYO — Six Chinese maritime patrol vessels entered waters claimed by Japan around a group of disputed islands on Friday, the first Chinese government ships to enter the area since the Japanese government announced that it had bought the islands this week.

Japan's coast guard said one of its patrol ships tried to warn off the Chinese vessels. The Japanese Foreign Ministry summoned the Chinese ambassador in Tokyo to protest.

The coast guard identified two of the Chinese vessels as the Haijian 51 and Haijian 66, unarmed ships used for law enforcement in Chinese waters. The Chinese government had announced that it was sending the vessels to protest Japan's purchase on Tuesday of three islands in the uninhabited chain, which is called the Senkaku by Japan and Diaoyu by China.

The islands, in the East China Sea between Okinawa and China, are controlled by Japan but also claimed by China and Taiwan.

The coast guard said the two ships entered Japanese-controlled waters near one of the islands early Friday morning, and left two hours later. The other four ships are still in the area, it said.

—Martin Fackler, The New York Times

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## **LETTERS TO THE EDITOR**

## **MIT 2030**

Dear undergraduates,

MIT Provost Kaiser recently announced the creation of the Task Force on Community Engagement in 2030 Planning. Along with the Graduate Student Council, the Undergraduate Association has been working to engage with this committee and its chair to include the student viewpoint on campus planning issues. The Task Force has scheduled us to present the student viewpoint at their upcoming meeting on Tuesday, and so we encourage those students with interest in this topic to send their comments and questions

to *ua-mit2030@mit.edu*. Given the short time frame, we will only be able to include community input that is brought to our attention promptly.

Sincerely,

Patrick Hulin MIT Class of 2014 UA 2030 Working Group Chair

## The smartphone has made us dumb

## Dumb in more ways than one

#### By Feras Saad

Going to a restaurant with friends is supposed to be an enjoyable experience. But if it happens to be with smartphone-fanatic friends, then such a trip is not suitable for the weak-hearted. I had to learn this the hard way.

At a recent outing, when my friends and I arrived at the restaurant everybody immediately laid their phones in front of them on the table. This practice, I learned, was "in." Fair enough, having a phone in your pocket while seated can be an inconvenience.

## Maintaining an interesting conversation seemed impossible as they would shoot a casual glance up only to return to texting seconds later.

Conversation was quick to rise at first—but only five minutes into dinner, everyone's eyes were fixated on their lap. Couple that with vigorous hand movements and the table vibrating every 30 seconds, I found myself in an awkward situation.

What zoned out my friends was "only" text messaging, they said. Maintaining an interesting conversation seemed impossible as they would shoot a casual glance up only to return to texting seconds later. Peeking over my friend's shoulder to see what imperative topic deserved such undivided attention, I saw her type a single string of text.

"Haha

As the waiter trotted along with our meals, I thought, "Good, this will distract them from their phones." But this instead prompted a photo-shoot: flashes, pouts, and puckered-up poses near plates of salad.

These pictures, I learned, were going on Twitter so that "followers" would know what my friends were eating for dinner. After all, how would life be complete without notifying your virtual friends across the world that you are having fried cabbage with ginger dressing?

I was quite shocked when one excited fellow in our party demanded 20 seconds of silence for his phone to "Shazam" a song playing the background. This application can identify the title of any song by inputting a sample of the soundtrack. But is it not more suitable to just ask the waiter or a friend?

I thought I had seen the last of it when the bill finally arrived. But out came the phones again, in perfect synchronization, this time to perform the brutal calculation of adding 20 percent tip to a \$90 bill and splitting it five ways.

The icing on the cake, however, was using a Maps application to find the way back to campus. Never mind the fact that we walked to the restaurant in the first place. ...Was nobody paying attention on the way over?

While you might be inclined to suggest this little story is an isolated event, I believe it is the type of behavior our society is moving towards.

The smartphone is a fantastic device with useful functions, but the blatant and extensive misuse of it has wiped out all

sense of common sense. With so much time spent on virtual socializing, it is no surprise that social skills are becoming increasingly non-existent in today's world.

With so much time spent on virtual socializing, it is no surprise that social skills are becoming increasingly nonexistent in today's world.

The dominance of the smartphone is more worrying. How tapping a tiny screen to launch 2-D birds out of slings can generate a multi-million dollar enterprise is well beyond my understanding. Applying fancy filters to rubbish pictures and branding it "photography" will soon eradicate the art. And substituting mental math with a calculator for simple arithmetic is just plain lazy.

The dominance of the smartphone shows no sign of slowing down. The average adult between the ages of 18 to 24 sends over 1,630 text messages a month, or more than three texts per waking hour.

When an entire generation feels "lost" when a phone is out of battery, or "completely disconnected" when the internet has a momentary glitch, it might be time to ask who the owner is and who is the device.

All I know is that the next time I go to dinner with friends it will be with one condition: the phones stay away.

## Jerusalem: Israel's eternal capital

## Jerusalem's status as Israel's capital is not up for debate

By Rachel Bandler
STAFF COLUMNIST

"Jerusalem is and will remain the capital of Israel. The parties have agreed that Jerusalem is a matter for final status negotiations. It should remain an undivided city accessible to people of all faiths." This statement, taken from the 2008 Democratic Party platform, was removed from the Democrats' 2012 platform last week, only to be reinstated by President Barack Obama after an onslaught of opposition. Fortunately, Obama made the right decision in reaffirming Jerusalem as Israel's capital.

Jewish national identity was formed over 3,000 years ago in the land of Israel, with King David making Jerusalem the capital of the Israelite Kingdom in 1000 B.C.E. and his son, King Solomon, building the First Jewish Temple in Jerusalem 40 years later. Throughout history, Jews have regarded Jerusalem as the capital of their ancient

ancestral homeland, facing Jerusalem during prayer in a similar fashion to Muslims who pray towards the Kaaba in Mecca. While the number of Jews in Israel has fluctuated across the centuries (the Jewish community significantly declined from massacres by Crusaders in the 12th century, for example), Jews have maintained a continuous presence in the land of Israel.

## The political status of Jerusalem can only be determined by Israel.

Therefore, as the only sovereign Jewish state, Israel has a right to declare Jerusalem as her capital. America's denial of that right only isolates a valuable ally in the Middle East, and increases political tension in already troubled times considering Iran's nuclear ambitions. Furthermore, it is not the Democrats' role to dictate the capital

city of an ally — after all, Americans would never grant Britain or France the right to determine whether Washington, D.C. is the capital of the United States. Every autonomous, self-governing state has the right to decide their own capital city within their borders and control. Therefore, the political status of Jerusalem, although one of the most contentious issues in any future peace agreement between the Israelis and Palestinians, can only be determined by Israel; it cannot be imposed by foreign nations or international bodies.

Furthermore, the clause that Obama reinstated into the 2012 Democratic platform not only called for Jerusalem to remain as the eternal capital of Israel, but also recognized the importance of Jerusalem continuing to remain open and accessible to all of the world's faiths. This distinction is important because historically, access to holy

**Jerusalem,** Page 5

## **OPINION POLICY**

**Editorials** are the official opinion of *The Tech*. They are written by the Editorial Board, which consists of Chairman Aislyn Schalck, Editor in Chief Jessica J. Pourian, Managing Editor Connor Kirschbaum, Executive Editor Ethan A. Solomon, and Opinion Editor Andy Liang.

**Dissents** are the signed opinions of editorial board members choosing to publish their disagreement with the editorial

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Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters

will not be accepted. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. Letters, columns, and cartoons may also be posted on *The Tech*'s Web site and/or printed or published in any other format or medium now known or later that becomes known. *The Tech* makes no commitment to publish all the letters received.

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## Detroit: Obama's economic blueprint for America

The president's decision to run on a failed corporate bailout is a head-scratcher

By Keith Yost STAFF COLUMNIST

During his speech before the Democratic National Convention last week, Barack Obama offered a gem to rival his pledge from his 2008 campaign "moment when the rise of the oceans began to slow and the planet began to heal." In his words: "We reinvented a dying auto industry that's back on top of the world."

His statement must come as news to investors, who have watched General Motors's stock price fall steadily since its return to public trading in late 2010. It must come as a surprise to Ford, an American car manufacturer who received no government bailout and now has to compete against an Italian Chrysler that did. And it comes as shock to political observers such as myself, who never would have thought the president would run as pro-bailout, let alone lead off this strategy by taking ownership of a bailout that failed.

I've written before about the inappropriateness of "bailout" as a term to describe the government's loans to the banking industry. A bailout implies a net transfer of funds from public to private hands — but the relief program was not about covering the losses of insolvent businesses, it was about loaning money to illiquid financial institutions, made illiquid by a global financial crisis. In theory, the government should actually

come out ahead on such interventions, and in practice this has been the case, with Troubled Asset Relief Program making its money back plus interest.

But in the case of automakers, bailout is the appropriate term. Neither GM nor Chrysler were merely illiquid; they were insolvent, bankrupt, made so primarily by their ruinous labor agreement with the United Auto Workers union. There was never any realistic hope of taxpayer's money being returned — even after the government forced tens of billions of dollars of losses on bondholders (the rightful owners of GM and Chrysler's assets), and even after the administration waived tens of billions of dollars of tax obligations, the bailout proper is still set to lose tens of billions of dollars. It's a failure of cosmic proportions.

## There was never any realistic hope of taxpayer's money being returned.

The claim made at the time by promoters of the bailout was that the loss of tax-payer money was a necessary evil to save the jobs of U.S. factory workers. Even then, this was a shaky defense. If GM and Chrysler went through bankruptcy proceedings,

their factories were unlikely to sit idle. Creditors, interested in getting their money back, would quickly reopen the plants or sell them to someone who would. Today, with the benefit of hindsight, we can see that the perils of bankruptcy proceedings are moot. With the UAW's ridiculous contracts still in place, the company's inept management virtually untouched, and the "re-invention" of GM consisting solely of the Chevy Volt — a car that Reuters estimates loses the company almost \$50,000 per unit sold — it is clear that the massive infusion of taxpayer and bondholder money into GM has only delayed the inevitable. Bankruptcy will come, and the time bought has been of little benefit to the American worker; GM has added only 4,500 jobs since the bailout.

The true reason behind Obama's massive political favoritism toward these corporations is easy to guess. Normal bankruptcy proceedings would have ended the UAW's parasitic hold on its host companies. As the midterm elections approached, and with the very real possibility that Democratic losses would mean the end of the president's push for healthcare reform, Obama decided that he needed the votes of union members more than the nation needed its tax dollars. So he gave the union a way to retain its status quo, in return for its money and manpower. He even sweetened the

deal by handing the UAW a 20 percent ownership of the resurrected GM. And why not? If you're going to commit a robbery, there's no point in leaving money in the register.

## If you're going to commit a robbery, there's no point in leaving money in the register.

As the presidential campaign enters the post-summer stretch, there's no doubt that the UAW will once again pledge their fealty to the man who gave them everything, returning their ill-gotten money back to Obama in the form of campaign contributions, and manning his operation with their members. It's a matter of survival for them - in two years' time, when GM is drowning and the midterms are near, they'll need a man in the Oval Office who will pour another bucket of other taxpayers' dollars into their trough. What Obama must hope for is that voters don't realize it is a matter of survival for them as well; in the words of Alexis de Tocqueville, "The American Republic will endure until the day Congress discovers that it can bribe the public with the public's money."

## Obama adds Jerusalem's status back to platform

Democrats made right choice in keeping Jerusalem important in the 2012 election

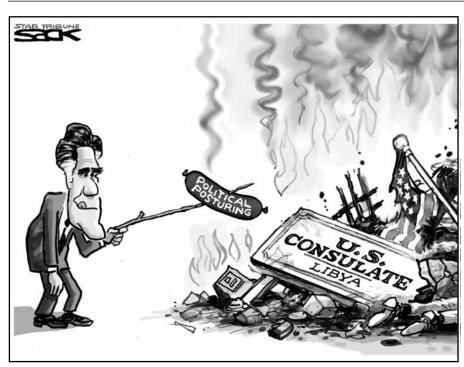
Jerusalem, from Page 4

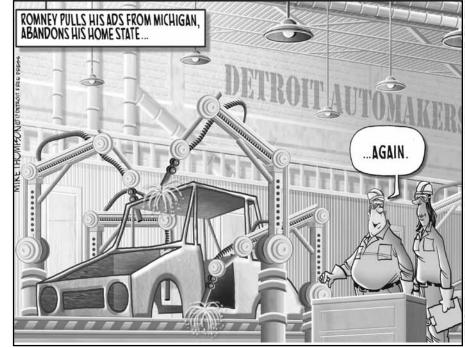
cities for pilgrimages and worship has been limited. For example, from 313–637 C.E., Jews were prohibited from entering Jerusalem, and even today access to Mecca and Medina is strictly prohibited to non-Muslims. With Jerusalem under Israeli control, all religions will have access to their holy sites in the city.

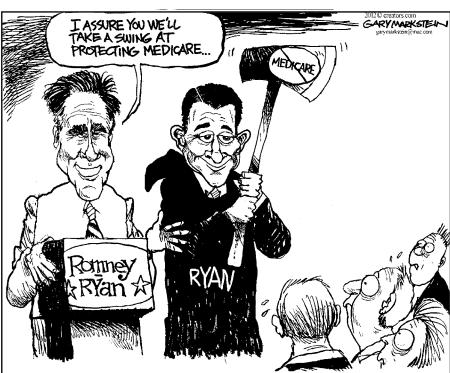
ll have access to their holy sites in the city. It is also important, however, that Jerusalem not become a partisan issue in the upcoming presidential election because this will detract attention from more serious foreign policy issues like Iran's nuclear program. Instead, American politicians should be concerting their efforts to prevent Iran from developing nuclear capabilities, which would have dire consequences for the United States, Israel, and the entire Western world. Unfortunately, Jerusalem has already begun

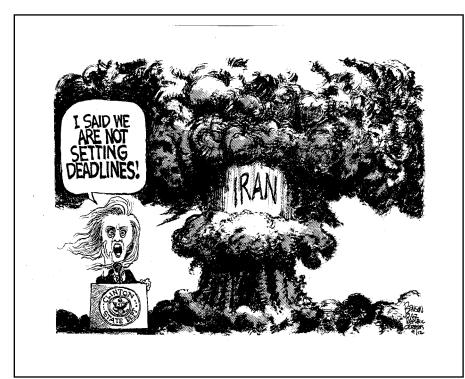
to turn into a partisan issue, with Republican

It is important that Jerusalem not become a partisan issue in the upcoming presidential election. presidential candidate Mitt Romney asserting that Obama has "thrown Israel under the bus" for not standing by Israel and unequivocally declaring Jerusalem as Israel's capital. By officially declaring that "Jerusalem is and will remain the capital of Israel" in the Democrats' 2012 platform, Obama has hopefully side-stepped a potentially very dangerous and distracting partisan debate on the heels of the upcoming election.















Was the Bible written by Engineers? Find out now!

From Adam to Noah—The Numbers Game

Why the Genealogy Puzzles of Genesis 5 and 11 Are in the Bible

Lamech's birth to Adam's death: 1×56 years Lamech's birth to Enoch's disappearance:  $2 \times 56 + 1$  years Lamech's birth to Seth's death: 3×56 years

Lamech's death to Kenan's death: 416 years 416 years Lamech's birth to Mahalalel's death: Enosh's death to the birth of Noah's sons: 416 years

Lamech's birth to Enosh's death: 1×84 years Jared's death to Noah's death:  $2 \times 84 + 416$  years Enoch's birth to Lamech's birth: 3×84 years

Genesis 5 says that Adam lived for 930 years. His son Seth lived for 912 years. The Noah's ark story tells us he saved life on earth from a world-wide Flood. You couldn't believe the stories. You couldn't understand the Bible. Now you can.

In this ancient culture the wise men were more like modern engineers. They protected their important ideas with riddles and puzzles. The genealogy of Genesis 5 and Noah's Flood are a puzzle that hides a fully functional calendar.

Book available worldwide and online http://www.AdamToNoah.com

## LaVerde's boosts convenience

New self-service machines alongside higher prices

LaVerdes, from Page 1

lar increases at the other vendors in the Student Center. Ekuta, who used to buy breakfast sandwiches at the grill, says she is boycotting the LaVerde's Market Café. She did purchase a chocolate bar from the store, however.

Sean Buhrmester is not boycotting the sandwiches just yet, but he does say that "I think I did shop here a lot more often prior to the price increase.

Despite the new prices, during lunch hour the sandwiches still draw lines long enough to deter those who happen to come at the wrong time. Customers are also willing to wait even while no one at the counter is available to take their order.

"I've never gotten a sandwich and not liked it," says Brian Xiao '15, who ordered a grilled chicken sandwich yesterday. When the prices changed, "I guess I started looking around other places in the Student Center, but I still come here pretty often."

Francisco X. Peña '15 also comes to the café about three times a week. He admits that the price changes did not cause him to change his buying habits. Peña and Buhrmester agree that it's the convenience that brings them

"We understand students have a lot going on, so we wanted to make things quick," Trainor said, motioning towards the self-service

beverage station. "Going to CVS or Star Market is difficult," she said.

Despite the inconvenience that going to Shaw's presents, it's no secret that Shaw's does have a better selection at a lower price. "We will never be the same as Shaw's," Trainor said, wary of price comparisons with the competitor further down Mass. Ave. She explained that the convenience store does not have enough storage to buy products cost-effectively in bulk the way Shaw's does.

"We haven't taken a lot of increases in the last three years," she said, defending the price increases. "The market has changed and we have changed with it."

## MIT-CHINA INFORMATION SESSION



Thursday, September 20, 5-7pm 1 Amherst Street, E40-4th floor

Discover opportunities for internships and CETI teaching in China, Hong Kong, and Taiwan — ALL EXPENSES PAID! Learn about the application process and speak with returning interns.

Food will be served.

mit.edu/misti/mit-china



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Friday, September 14, 2012

The Tech 7



CHRISTINA M. CURLETTE

An MIT graduate student peruses an art piece in the Wiesner Building Wednesday evening during a special reception held in conjunction with the annual Student Loan Art Program Exhibition. The program allows students to borrow framed artwork from a collection of about 500 pieces.



Students inspect herbs on sale at the MIT Endicott House Plant Sale in front of W20 on Thursday.

(2 of 3)

#### **Leave a comment**

with the text translation on Facebook.com/NSACareers and visit us on campus Friday, September 21.

Missed ad #1? Visit us on Facebook.



NSA is coming to MIT Friday, September 21

from typical festivals in that all of the art and

Touring the desert are also mutant vehicles, which are masterfully transformed creations on wheels that emulate anything from a massive pirate ship to an anglerfish to a pumpkin carriage.

The playa, the dusty desert where Black Rock City stands, can be a harsh environment. Part of the Burning Man experience is working, alone or together, to survive the elements: the heat, the cold, the dust.

Everything in Black Rock is temporary. Burners must make sure to take away with them everything they brought, including all waste that they generate. Black Rock City is torn down every year, leaving behind no trace of the tens of thousands of people who lived in its inimitable culture of freedom and beauty for one week. The desert is empty until the same time next year, when life sprouts again.

In the meantime, the principles of Burning Man continue to be pursued year-round in the work done by its organization and its regional branch-off events. Burning Man can only exist because of the spirit and actions of all the people around the world who make this extraordinary

Learn more about this unique event at http://www. burningman.com.

#### Readjusting to the Default World

Black Rock City's motto is "welcome home." No matter where you come from, what you believe — you are safe there. You are free to be the you you've always been. No one will judge you for anything. It is a magical place. A place of freedom, of acceptance. Of embracing all the vast differences that make up our motley humanity.

You jump in head first, and maybe it's a little shocking in the beginning. You want to clean your body of the playa dust that clings to you like glitter, but that means getting naked with a hundred other people in broad daylight. You are approached by bespectacled strangers wanting to listen to your heart beat. You climb blindly on contraptions built by people you don't know to gaze over the screwball horizon. You peek your head into random domes, say hi and exchange life stories with young kids and veterans three

> There are naked and topless bicycle marathons. There is a day when everyone, whether they are a ballerina or not, dons a tutu. There are glitzy impromptu bands who play every type of music imaginable from the roofs of art cars. There are localized pockets of people from all places - South Africa, Boston, the French tions with ideas, not

arms, who catch you when you fall, who listen to your story eagerly and dish out advice that you can choose to take or not to take. These are the most open, honest, kindest people you'll ever meet. And, mirroring their inner splendor, they are dressed in the most imaginative ways possible. Decked out in their own unique creations, minimalist by day and glowing at night, everyone is a beauty to behold. I can't tell vou how many times I cried just realizing all of the beauty that existed in Black Rock City. Swathes and swathes of inner and outer beauty that you'd be hard pressed to find any-

Coming back to the real or, as Burners say, default world, took more willpower than I could have imagined. I don't want to be here, where everything is so clean, where there is no playa dust to cake my hair, irritate my eyes and nose, slowly burn down my hands and feet. Where water is readily accessible from any sink. Where toilets flush. Where everyone is clothed and drab. Where I can breathe without using a dust mask. Where I have to wear shoes. Where I can't just approach any stranger and immediately immerse myself in meaningful conversation. Where the horizon is not flat, glowing with a million rainbow LEDs, covered in creations that are built simply for their beauty and are wonderful to behold. Where cars are bare and naked, not crazy creatures who slither across the desert, breathe fire, and blast dubstep.

Why is it not possible to have Black Rock City year round? Why must we revert back to this dreary, everyday black-andwhite default world?

Maybe we don't have to, not completely. Sure, we live here, but that doesn't mean we have to forget all of the principles that keep Burning Man alive and Black Rock City running. Radical self reliance: take care of yourself, never count on someone else to fix your own problems for you. Leave no trace: clean up after yourself. Stop treating the earth like your own personal landfill.

Participation, inclusion, communal effort, civic responsibility: contribute to your community. Do things that are worthwhile and positive and increase the happiness around you. Talk to and learn from complete strangers. Everyone knows something. Everyone has some pearl of wisdom buried underneath their chitchat and gelled hair, just waiting to be discovered.

Gifting and decommodification: be kind to your fellow man. Try it for a bit, going off the grid, being unplugged, removing yourself from the brands and corporations and institutions that clog up our news streams, our billboards, our TVs and radios and computers. Lead conversaalive year round, not on the playa, but in our hearts. Until next year.

> from the top right going clockwise:

Whiteouts. caused by high winds whirling dust through the air, were to the lack of precipitation the previous winter.

Inside the wooden structure

Burners relax under the waning sun.

A view out onto the desert from the inside of the Pier.

Jason Scott '10 and Beth Turner '10 enjoy their time on the playa.

Burning Man participants walk and bike to and fro as the sun sets over the plava.

Chris Varenhorst '09, M.Eng '11, sits by the embers of the Circle of Regional Effigies (CORE), a ring of 34 wooden effigies around the Man, each built by a different regional Burning Man group and burned simultane-

The road from the Man to the temple on the horizon.

Burning Man is like the MIT of parties: it's like drinking from a firehose that's covered in LEDs that shoots flaming alkali dust while playing techno, except with way more nudity. — Jim Griffin '12

Man 2012

Burning Man

2012 taught me

how to become

mayor of the world — Yan Zhu '12

Black Rock City is a great destination to alt-ctrl-del

yourself and de-fragment.

— Bryan Haddon '06

— Samantha R. Cohen '11

— Amelia M. Arbisser '11

- Amir Hirsch '06, MEng. '07

Friday is always a great day to be

— Chris Varenhorst '09, MEng. '11

deafening apocalyptic flaming party barges still searing my eyes from a distance with laser

out space that was the Kaleidoscope dome.

we pushed on into the darkness, sighing the hard truths

Burning Man was overwhelming in the amount of art, music,

alternative culture, care, unconditional love, openness, and variations

of types of people all coming together to celebrate each other and our col-

I felt so proud and gratified to have contributed so much to the comfortable and beautiful hang-

ence?

These photos are laid out in the shape of Black Rock City, which starts in the 2 o'clock position and spans to 10 o'clock. Do you have any Burning Man experiences that you would like to share? Contact Janet Li at jli12@mit.edu.

#### **MOVIE REVIEW**

## Is greed good?

## Richard Gere plays an unsavory businessman in the high-finance thriller Arbitrage

By Kathryn Dere ARTS EDITOR

It's always disturbing to see how quickly money (a lot of it) can persuade people to compromise their morals, and Nicholas Jarecki's feature-length directorial debut offers a glimpse of this in the form of the glitzy, sometimes seedy, world of high finance. Arbitrage follows the story of Robert Miller (Richard Gere), a 60-year-old hedge fund executive getting ready to retire into full-time philanthropy. But, as in any Wall Street thriller, there are a few catches

in the plan: Miller's a fraud (he's padding

his company's books with some \$400 mil-

lion of his friend's money), and he needs

to complete the merger of his company be-

fore he's exposed. The stakes become even

Parker), the son of a former employee and the only guy who he knows from the other side of town.

Arbitrage's title may be taken straight from a finance glossary, but it wastes no time in technicalities. Instead, it focuses on the most important point: money. We get the feeling that Miller has dealt with so much money, on such an abstract level, that he no longer knows how to function properly in the real world. Often, he acts like a petulant teenager who believes that yelling (either at people, or by himself) will solve all his problems. He yells when he accidentally crashes his mistress's car, he yells as he examines his bruised ribs in the mirror, and he yells when his prospective buyer fails to show up for yet another business dinner. At one point, when

lost in a failed copper mine in Russia, one spewing "so much money" that will never see the light of New York City.

## Gere's performance as a tragically flawed patriarchal figure is compelling to say the least.

Gere's performance as a tragically flawed patriarchal figure is compelling to say the least, and performances by the rest of the cast — the ones left to deal with Miller's mess — are equally strong. Susan Sarandon plays Miller's surprisingly tough, high-society wife, Marling shines as a naïve young professional who learns too soon the grim reality of her inherited world, and Parker gives a sensitive portrayal as a formerly troubled teen caught up in a dangerous game of loyalty and power. Tim Roth, as relentless detective Michael Bryer, brings a dry sense of humor to an otherwise tense

Jarecki has managed to craft a film that is both frustrating and intimate. The overabundance of close-ups may be distracting,

\*\*\*\* Arbitrage Directed by Nicholas Jarecki Starring Richard Gere, Susan Sarandon and **Brit Marling** Rated R

Now Playing

but they also capture interactions between characters with a surprising amount of insight. Ultimately, the question is not what Miller will say when he faces the judge, but whether or not he will even face the judge. After all, it's innocent until proven guilty, and surely Miller has enough funds and philanthropic credibility to deny his guilt. But regardless of his ability to dodge the courtroom or save people with money from his cancer charities, we wonder if he paid too high a price for his reputation.

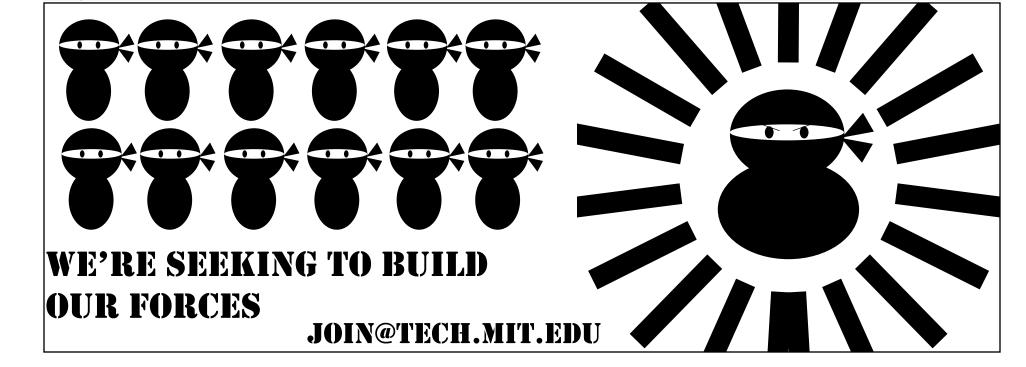
## It's always disturbing to see how quickly money can persuade people to compromise their morals.

higher when Miller accidentally becomes involved in the death of his mistress, art gallery owner Julie (Laetitia Casta). A massive cover-up ensues, one that involves Miller keeping his family in the dark and enlisting the help of Jimmy Grant (Nate

Brooke (Brit Marling), Miller's daughter and heir-apparent, confronts him with discrepancies in the company's accounts, he becomes almost hysterical. No, he is not too upset by the fact that he is breaking the law; he's upset by the fact that the money is

PHOTO BY MYLES ARONOWITZ. COURTESY OF ROADSIDE ATTRACTIONS

Moral compass Brooke (Brit Marling) and finance fraud Robert Miller (Richard Gere) go head-to-head in Nicholas Jarecki's Arbitrage.



THE TECH 11 FRIDAY, SEPTEMBER 14, 2012

## Design will cost users, but thrills Apple's partners

## Lightning port renders old accessories obsolete, design tweaks being made down to end

By Brian X. Chen

The iPhone 5 has plenty of new features to keep Apple fans happy. But there is one feature Apple unveiled on Wednesday that is likely to annoy many: a new connector on

the phone's base

The Lightning port, as Apple calls it, is smaller and shaped differently from the old one, instantly rendering obsolete the millions of spare charging cords, docks and iPhoneready clock radios that its customers have accumulated over the years.

While irritating to some, the Lightning connector could be a boon to the hundreds of companies that sell accessories for iPhones and

"Apple is testing the patience of its fans," said Tero Kuittinen, an independent analyst and a vice president of Alekstra, a company that helps customers manage cellphone costs. "A lot of Apple fans have a lot of different accessories and use the old systems, so this is going to be a fairly expensive shift for a lot of them." Makers of iPhone accessories, meanwhile, are likely to be ecstatic, he said

Apple, which is selling Lightning

cables and \$29 adapters that will connect the new phones to many but not all older accessories, is, of course, poised to profit from the design change as well. Apple executives said the smaller connector allowed it to make the phone thinner and use space inside the device more efficiently.

Accessories for Apple products are already a vast and lucrative business. In the last year, iPad, iPod and iPhone add-ons, including speakers, cases and power chargers, generated \$2 billion in sales in the United States alone, according to the NPD Group, a research firm.

To stay on top of the market and avoid building products that will soon be out of date, accessory makers have to watch Apple as attentively as any technology journalist

Apple, which is known for its culture of secrecy, generally keeps accessory makers in the dark before it unveils its new hardware. The companies rely instead on leaks from Apple's manufacturing partners in Asia, or on rumors about the devices that surface on Apple-focused blogs. On the day of an Apple hardware announcement, they watch reports of the event and wait for data sheets to come from Apple with details on the devices before they crank up manufacturing in China.

Griffin Technology, a company in Nashville, Tenn., that makes Apple accessories, said that moments after Apple introduced the iPhone 5, its employees were making final design tweaks in its prototyping shop, where 3-D printers turn out mockups of future products. Many Griffin employees had already traveled to China from the U.S. to be there when the iPhone 5 was introduced.

"Kind of like everyone else, we're at the same starting line in the race to the peg," said Mark Rowan, Griffin's president.

Similarly, employees of InCase, a maker of iPhone cases based in San Francisco, crowded into a conference room to watch online reports of Apple's presentation, said Dave Gotta, the chief executive. Employees in China were waiting at factories for final design specifications so they could get started mak-

Occasionally a rare few in the business get a peek at an Apple prototype, according to Jeremy Horwitz, editor in chief of iLounge, a website that reviews Apple accessories. Much as some software developers get to use a new Apple product in advance so they can have software ready to show off on Apple's stage, he said, some accessory makers have had access to Apple devices before their unveiling. Horwitz said these devices are typically locked down to prevent theft or leaks.

Some companies take unsanctioned routes to get ahead of the game. Hard Candy Cases, a case maker, sent iPhone 5 cases to journalists before Apple even introduced the phone. Tim Hickman, chief executive of the company, said manufacturers in Shenzhen, China, where his cases are made, send around design information for unreleased iPhones to attract case makers like himself.

'The factories have gone from, 'Shhh, hey, buddy, look at what I have for you,' to making it part of their presentation," he said.

Hickman said he did not buy information from leakers in Asia. Instead, he said, he made a deal with a factory that had told him it could make cases for the iPhone 5 and asked him to send designs that it would then modify to fit the new phone. He said his iPhone 5 cases for sale to customers would arrive in the U.S. in about three days.

iHome, a New York company that is one of the biggest makers of iPhone clock radios and other Apple audio accessories, tries to plan for Apple's announcements but does not assume anything is fact until the company unveils its new hardware, said Ezra S. Ashkenazi, its chief executive. He called the Lightning change "a unique circumstance" because it was the first time Apple had changed the connector since it was introduced.

There are already plenty of iPhone clock radios made by iHome and other companies in hotel rooms around the world. Kathy Duffy, director of public relations for the Marriott hotels in New York, said that if many patrons seemed to be getting the iPhone 5, the company would probably stock up on adapters or buy new accessories. "We'd have to evaluate it and see what the demand is," she said.



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## Solution to Sudoku

from page 15

1 7 6 4 8 9 2 5 3 3 5 2 7 6 1 8 4 9 4 9 8 5 3 2 1 6 7 3 5 8 7 6 9 8 4 7 9 1 3 5 2 6 9 6 1 2 4 5 3 7 8 1 3 6 9 4 6 8 9 1 2 7 4 3 5 7 2 4 3 5 8 6 9 1

#### Solution to Techdoku

from page 15

4	3	5	1	6	
2	1	3	5	4	6
6	5	1	3	2	4
1	6	2	4	3	5
3	2	4	6	5	1
5	4	6	2	1	3

## **Solution to Crossword**

DRUMSTCBY CNNANCHORMAN ASSTEST POSSE F B I S P E C I A L A G E N T TANDONEEYEDINCA LIED BOUNTYHUNTER D O T E M I R O N A M E S U S E R C L A W U R I A H L E S S A L L Y P E T T Y

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Photo Credit: Maxwell's Dream © Andy Ryan

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## Hurricane scaling

## A better way to categorize storms?

By Eric Berger

The destruction wrought by Hurricane Isaac — with its 11-foot surge, seven dead, power knocked out in half of Louisiana and nearly \$2 billion in damage - has renewed debate among forecasters about how best to warn people of coming storms.

Isaac, after all, was only a Category 1 hurricane, right?

And there lies the problem. First, there's the inadequacy of the Saffir-Simpson Scale, which ranks hurricanes on the strength of their winds from Category 1 to 5. It often fails to capture the destructive surge, as Galveston experienced during Hurricane Ike four years ago to the day on Thursday, or the inland flooding potential of a storm.

Secondly, people misuse the scale because they believe the weakest hurricanes are manageable from a risk perspective and don't cause much damage.

"By stating that any hurricane is manageable, you underplay the potential for loss," said Bill Read, the recently retired director of the National Hurricane Center. "Since this myth has been perpetuated even by us professionals, the misuse of the Saffir-Simpson Scale is now engrained in our culture."

So what's the point of using the ubiquitous scale?

Many forecasters and emergency managers agree that it's because at its most fundamental level a warning scale needs to be simple.

For thunderstorms, there's just a watch, and a warning. The same goes for tornadoes, with watches and warnings, and the Enhanced Fujita scale ranks the twister from 0 to 5 after the fact. Earthquakes go from 2.0 to 10.0 on the Richter Scale.

And in an age when people are

bombarded with advertising and warning messages all day long, and they are getting their news from Facebook, Twitter, emails, text messages and short conversations with friends and neighbors, there needs to be simple messaging on hurricanes, says Tim Heller, chief meteorologist with ABC-13 TV in Houston.

"The public wants to know if it's going to be a bad hurricane in 140 characters or less," Heller said. "Like it or not, people want a very simple answer to a complicated question: Is this a bad hurricane?"

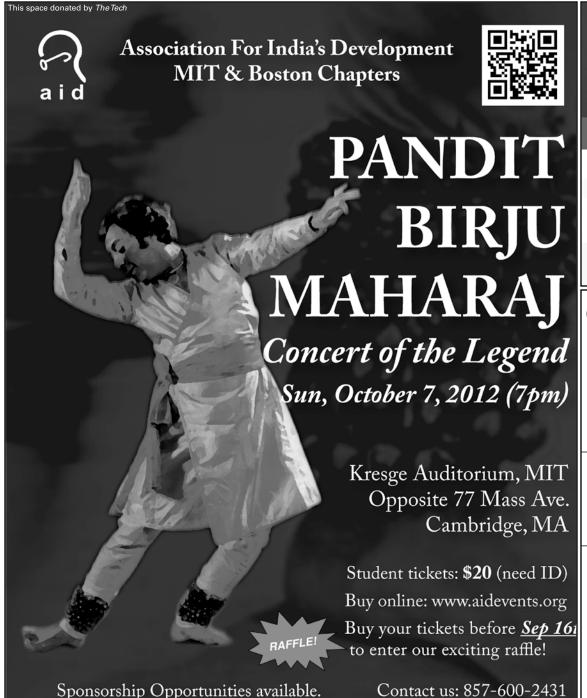
That viewpoint is backed up by research done by political scientist Bob Stein at Rice University, who has surveyed Houston residents after hurricanes Rita and Ike to determine their attitudes toward storm preparation and evacuations.

Generally, people will not prepare for the specific threat posed by a hurricane but for the magnitude of the risk. In other words, they react to how dangerous a storm is overall, not to its specific surge, wind, power loss or inland flooding threat.

"What we're seeing is some evidence, when you give people a generic notion of risk, they're much more compliant and it makes the task of making a community more prepared easier," Stein said.

He has advised Houston Mayor Annise Parker and Harris County Judge Ed Emmett to make their messages generic, to essentially say there's a dangerous storm approaching, rather than to prepare for specific risks.

After Hurricane Ike — a Category 2 storm that nonetheless produced a devastating storm surge and damage more characteristic of a Category 4 hurricane — the National Hurricane Center removed storm surge from the Saffir-Simpson scale. It's now based on wind speed alone.



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## Who will take the win? NFL week 2 predictions

## Patriots likely to take down Cardinals; close game expected between Jets and Steelers

By Austin Osborne

SPORTS STAFF

#### Tampa Bay Buccaneers @ NY Giants

Sunday, Sept. 16 1:00 p.m. The Giants suffered a tough loss last week against the Dallas Cowboys due to their porous defense while Tampa Bay beat division rival Carolina, despite a huge game by Cam Newton. Rookie Tampa Bay running back Doug Martin had a promising debut rushing for 95 yards, and Tampa Bay's run defense was stifling against Carolina, allowing only 10 yards on the

ground. This game has upset writ-Prediction: 24-20 Buccaneers

#### Oakland Raiders @ Miami **Dolphins**

ten all over it.

Sunday, Sept. 16 1:00 p.m. Even with their loss to San Diego, this Oakland team is a force to be reckoned with this season Darren McFadden had trouble finding room to run last time, but this won't be a common theme in Raiders games this year. Once they can get the ground game working, the field will open up more for Carson Palmer. Even still, Palmer had a great game taking care of the ball and throwing for over 300 yards and a touchdown. The Dolphins looked like a mess behind Ryan Tannehill, but this season is really just for his development. The Dolphins aren't expected to go anywhere this season, and if they play like they did against Houston, they definitely won't.

Prediction: 27-13 Raiders

#### Houston Texans @ **Jacksonville Jaguars**

Sunday, Sept. 16 1:00 p.m. Although they were playing the lowly Dolphins, Houston won convincingly last week, even without much production from Arian Foster and Ben Tate. Instead, their defense was the key to victory, forcing three interceptions and forcing clutch fumbles. They get another easy test again this week against the Jacksonville Jaguars. The Jaguars put up a fight against Minnesota,

but lost in overtime. Blaine Gab-

bert looked good last Sunday, but he'll get a chance to prove himself against a great defense this week.

Prediction: 31-10 Texans

#### Cleveland Browns@ Cincinnati Bengals

Sunday, Sept. 16 1:00 p.m. Cleveland turned a lot of heads last week against the heavily-favored Philadelphia Eagles, losing on a last minute touchdown drive orchestrated by Michael Vick. While their defense played outstanding, holding an incredibly explosive Philadelphia offense to hardly any scoring, their offense looked atrocious with their rookie QB showing his lack of experience by throwing four interceptions. Cincinnati also surprised on Sunday, but for all the wrong reasons. They hardly put up any fight against Baltimore, a team not known for their offense, allowing over 425

Prediction: 24-14 Bengals

be back on track this week.

#### Kansas City Chiefs @ Buffalo Bills

yards of total offense. They should

Sunday, Sept. 16 1:00 p.m.

Fred Jackson only had three carries in the new season before getting injured. Last season, his injury halted Buffalo's offense. This year, it appears that backup C. J. Spiller may be able to take control of the running game and produce an effective offense. The defense was terrible, however, allowing 48 points to the Jets. Kansas City also had defensive problems against Atlanta, but Matt Cassel looks promising, showing some of the skills he displayed in New England. This game could be a barn burner.

Prediction: 31-24 Bills

#### Baltimore Ravens@ Philadelphia Eagles

Sunday, Sept. 16 1:00 p.m. The Ravens just scared everyone in the NFL. Joe Flacco infamously commented that he was the best QB in the NFL, and subsequently took a lot of criticism around the league. After Monday night's trashing of the Bengals, he isn't looking so silly anymore. The Eagles were disappointing to say the least, not able to move the ball for the majority of the game against the Browns. If Philadelphia wants to accomplish their Super Bowl aspirations, Michael Vick needs to make better decisions and stop turning the ball over. This game should be a great defensive struggle.

Prediction: 17-13 Ravens

#### New Orleans Saints @ Carolina Panthers

Sunday, Sept. 16 1:00 p.m. The Saints' defense is still recovering from last season's bounty scandal, and it showed against the Redskins last week. They lost a shootout at home against Washington and seemed confused as to how to stop Robert Griffin. Carolina also had one of the least impressive debuts in their loss to Tampa Bay. Their usual prolific ground game was non-existent, and they had to rely on Cam Newton's pass-

ing to keep the game close. Prediction: 38-24 Saints

#### Arizona Cardinals @ New **England Patriots**

Sunday, Sept. 16 1:00 p.m.

It seems like Arizona's QB controversy may work itself out. With John Skelton's injury, Kevin Kolb will get another chance to prove himself. He looked sharp in his previous eight attempts, but that is obviously too small of a sample size to pass any judgment. He will be tested this week against a New England team that looked unbeatable at times in their game against Tennessee. Tom Brady was brilliant as always, throwing touchdowns to both tight ends Aaron Hernandez and Rob Gronkowski. Stevan Ridley was also surprising in one of his first real opportunities to receive the bulk of the carries. The Pats should take this one easily.

Prediction: 35-10 Patriots

#### Minnesota Vikings@ **Indianapolis Colts**

Sunday, Sept. 16 1:00 p.m.

Adrian Peterson looked like his old self last week in his first game back after suffering a gruesome knee injury last season, scoring two touchdowns in the Vikings' win. They barely beat Jacksonville, and his performance was one of the few bright spots of the game. Indianapolis' defense couldn't back up a decent debut from Andrew Luck, allowing 41 points to Chicago, and we can expect them to fall again this week.

Prediction: 17-10 Vikings

#### Washington Redskins @ St. **Louis Rams**

Sunday, Sept. 16 4:05 p.m. Robert Griffin III had one of the best rookie debuts in recent memory. He showed that he deserved to be picked second overall as he led the Redskins to a victory over a supremely talented Saints team without displaying many weaknesses. The Rams came close to upsetting Detroit by intercepting Matt Stafford three times, but in the end, Detroit's offensive firepower proved to be supreme. This should be a good matchup between two young teams.

Prediction: 34-13 Redskins

#### Dallas Cowboys @ Seattle Seahawks

Sunday, Sept. 16 4:05 p.m.

Dallas was impressive in their Thursday night win against the Super Bowl champion Giants. Tony Romo was particularly sharp, throwing for over 300 yards and three touchdowns. DeMarco Murray was simply dominant, racking up 131 yards on the ground. Seattle got basically all anyone could expect of Russell Wilson in his debut. He was decent, but just didn't receive enough help to beat Arizona.

Prediction: 34-10 Cowboys

#### New York Jets @ Pittsburgh Steelers

Sunday, Sept. 16 4:25 p.m.

The Jets really did look amazing against Buffalo last week. They scored the most points in an opening weekend game since 2003, which is really saying something, considering defense is definitely their biggest strength. Mark Sanchez looked the best he has in a while. The Jets could be a scary team in the AFC. Pittsburgh just seemed flat last week against Denver. Ben Roethlisberger had trouble completing passes and his offensive line (as usual) struggled to keep him off his back.

Prediction: 24-21 Jets

#### Tennessee Titans @ San **Diego Chargers**

Sunday, Sept. 16 4:25 p.m.

To add insult to injury, during the Titans' loss to New England, QB Jake Locker also suffered a separated shoulder. Although the Titans organization claims he will be ready to play, there is no telling what his effectiveness will be. Chris Johnson had another awful game, unable to break any big runs through the Patriots defense and only averaged .4 yards per carry in 11 touches. The Chargers looked fine, not great Monday night, and their running game was totally non-existent. As long as Philip Rivers is wearing Chargers blue however, they will always be able to win games.

Prediction: 24-10 Chargers

#### Detroit Lions @ San Francisco 49ers

Sunday, Sept. 16 8:20 p.m.

This is the must-see game of the week. San Francisco thoroughly dominated the Packers last week, and showed that last season's success was not a fluke. They are one of the most well coached teams in the league and they have an incredibly tough defense. It will be interesting to see if Matt Stafford and Calvin Johnson can put up the kind of gaudy numbers that they're used to in

Prediction: 31-27 49ers

#### Denver Broncos @ Atlanta **Falcons**

Monday, Sept. 17 8:30 p.m. Well, he's back. Peyton Manning looked outstanding on the biggest of stages in Sunday night's game against Pittsburgh. He was reminiscent of his old self, leading Denver to a 17 point 4th quarter, eventually sealing the win. The defense also held strong, holding a potentially dangerous Pittsburgh offense to just 19 points. Atlanta scored on seven straight possessions to open the game in Kansas City. Matt Ryan had an outstanding throwing game and the Falcons showed just how explosive their offense can be.

Prediction: 31-21 Falcons

## Murray wins his first grand slam at US Open

## Serena Williams takes women's title

By Nidharshan Anandasivam SPORTS STAFF

Third-seeded Andy Murray of Scotland won his first Grand Slam last Monday after defeating secondeeded Novak Diokovic of Serbia in five sets (7-6 (12-10), 7-5, 2-6, 3-6, 6-2) in the U.S. Open Men's Singles Final. Murray is the first British man to win a Grand Slam since Fred Perry won

Wimbledon and the U.S. Open in 1936. Murray's victory did not come easily. The nearly five-hour long men's final featured two of the best hard-hitting players in the game. The baselinefocused game displayed only twelve aces (five from Murray and seven from Djokovic) and an astounding 17 breaks of serve (eight from Murray and nine from Djokovic). Djokovic won more points at net and had more winners than Murray, but he also had more unforced errors. This was a problem for him, especially in the waning moments of the fifth set.

The 25-year-old Murray is probably having his best ever year, having made the semifinals of the Australian Open, the quarterfinals of the French Open, and the finals of Wimbledon, which he lost to Roger Federer in June. Murray also won gold at the London Olympics after beating Federer in straight sets (6-2, 6-1, 6-4). Murray hopes to continue his success so that he will be in

better position to take the number one men's singles ranking.

On the women's side, fourth-seeded Serena Williams of the U.S. won her 15th Grand Slam as she defeated topseeded Victoria Azarenka of Belarus in three sets (6.2, 2.6, 7.5) in the HS Open Women's Singles Final. Williams adds a fourth U.S. Open championship to her accomplished list of five Australian Opens, five French Opens, and five Wimbledon championships.

Although Williams had more unforced errors in the match than Azarenka (45-28), she compensated with winners (44-13) and aces (13-0). After winning the first set easily, Williams struggled in the second set with her first serve going in only 48 percent of the time. The third set featured tight points and long rallies, but Williams was able to break Azarenka's serve three times on her way to a close

Williams ends 2012 with wins at Wimbledon and the U.S. Open after losing in the fourth round of the Australian Open and having an early exit in the first round of the French Open earlier this year. With 15 Grand Slams, she is sixth on the list of women with the most Grand Slam singles titles, behind greats like Chris Evert, Martina Navratilova, Steffi Graf, and Margaret Court, who is on top of the leaderboard

## **UPCOMING HOME EVENTS**

#### Friday, Sept. 14

Men's water polo vs. Mercyhurst College

#### Saturday, Sept. 15

Sailing vs. Hatch Brown Trophy Football vs. U.S. Coast Guard Academy Women's Volleyball vs. Smith College Women's Soccer vs. Babson College Women's Volleyball vs. Simmons College

Sunday, Sept. 16

Sailing vs. Hatch Brown Trophy

6 p.m., Zesiger Center

9:30 a.m., Charles River 12 p.m., Roberts Field 12 p.m., Rockwell Cage 12 p.m., Roberts Field 4 p.m., Rockwell Cage

9:30 a.m., Charles River

## Volleyball overtakes Clark

## Women victorious again after 2nd place tournament win

By Paul Dill

TEAM COACH

After a second place finish at the North Park University Tournament in Chicago last weekend, MIT pushed their winning streak to four matches

with an impressive 3-0 win over Clark University in NEWMAC women's volleyball action on Tuesday evening.

The Engineers (8-1, 1-0 NEW-MAC) won by scores of 25-16, 25-14 and finally 26-24. Clark,

meanwhile, has dropped back-to-back matches for the first time this season and now sits at 4-3 overall and 0-1 in league play.

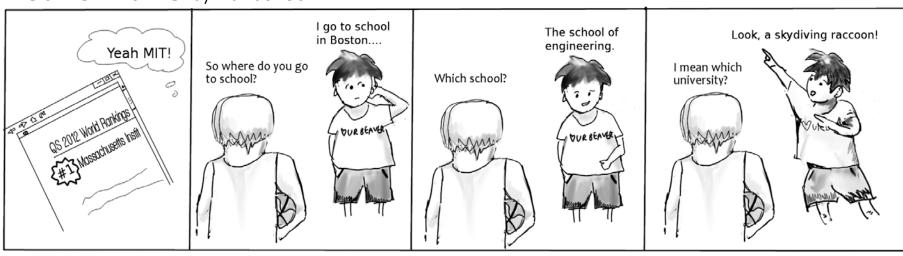
After winning the first set 25-16, MIT raced out to an 11-3 lead in the second set and kept

their momentum, reaching a score of 20-8 before Clark called a timeout. The Engineers eventually put the game away with a 25-14 final score.

Clark came out on fire in the third set, leading 5-0 and then 9-3 before MIT rallied to tighten the score at 14-10. Things stayed close for a while, but the Engineers slowly chipped away at the Cougars' lead. They forced another time out after bringing the score to 18-16. Clark was able to hold MIT off until they tied the match at 24-24. Two consecutive points ended it all and gave the Engineers their 30th straight win over the Cougars.

Tatiana Berger '14 led MIT with seven kills, while Nicole C. Gagnier '15 ended with 15 assists.

MIT will host a tri-match this Saturday against Smith College and Simmons College in Rockwell Cage at noon and 4:00 p.m.



## **UPPERCUT** by Steve Sullivan







YTIMUMMO) YM WI 23C221 TWATAGAMI THAILIGH OT 229 94 34T 90 ABWOT ANT 1250 OT SXIL I WASY \* 29 DE OF THOSE NEW JERDES MILNSHAKES \*

## The Canine Channel by Fred Piscop

Solution, page 11

## **ACROSS**

- 1 Rock-band gear
- 6 Frozen dessert chain
- 10 Apple Store offerings
- 14 Golden
- 15 Natural balm
- 16 Oodles
- 17 Bubble-headed
- 18 Galileo's hometown 19 Former mayor Giuliani
- 20 Wolf Blitzer's occupation
- 23 Bubblehead
- 26 Evaluation

FUNFUNFUNFUNFUNFUL

- 27 Oater crew
- 28 In this way
- 30 Cast forth
- 32 Prophetic observation
- 33 Chess piece that takes another
- 36 Plea at sea
- 39 Fox Mulder, on The X-Files
- 42 Yellowish brown
- 43 Cyclops claim to fame
- 44 Ancient Peruvian
- 45 Served up a whopper 46 Government official abroad 9 Slangy assent

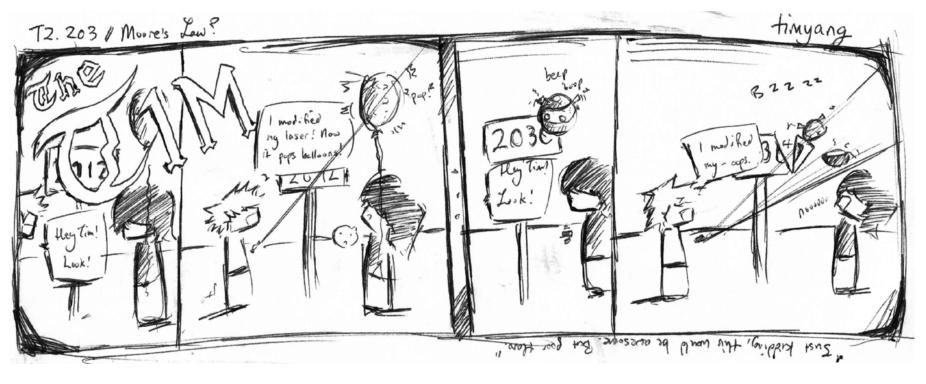
- 48 Betting everything
- 51 Pronto
- 53 Sushi serving
- 54 Duane "Dog" Chapman, on an A&E series
- 58 Fuss over, with "on"
- 59 Spanish muralist
- 60 Roster data
- 64 Tech's caller
- 65 Hammer part
- 66 Dickensian clerk 67 Smaller quantity
- 68 Confederate
- 69 Not worth the bother

#### **DOWN**

- 1 Family man
- 2 Have remorse about
- 3 Big brewer
- 4 File drawer abbr.
- 5 Hounds' followings
- 6 Spanish snacks 7 Leonardo's director in J.
- Edgar 8 Pear type

- 10 Bone tissue 11 Homecoming
- attendees 12 Musical closings
- 13 Funny Girl composer
- 21 Early geologic period
- 22 La Scala production
- 23 In flight 24 Lion King protagonist
- 25 Yarn quantity
- 29 USN officer
- 30 Spend some time
- 31 Malodorous mammal
- 34 Breezed through
- 35 Quiche, essentially 36 Have a feeling
- 37 When directed
- 38 Drag one's feet
- 40 Gist
- 41 Bar staple
- 45 Cruise ships
- 47 "Lemme in!"
- 48 Former American Idol
- judge 49 At large
- 50 Minstrels' strings
- 23 24 25 26 28 29 30 |31 32 36 | 37 | 38 33 34 35 41 39 40 42 44 43 46 47 45 48 49 50 51 52 55 | 56 58 59 60 61 62 63 64 65 66 68 69
  - 51 Of hearing

  - 52 Immaculate 55 Community service org.
  - 56 Sledder's spot
- 57 Almost unobtainable
- 61 Caltech rival
- 62 Break bread 63 Reluctant to mingle





## [1107] Sports Cheat Sheet

WHICH SPORT ARE THEY ARGUING ABOUT? -MY OVEAT SHEET-					
US: NON-US:					
JANUARY	FOOTBALL (@)				
FEBRUARY					
MARCH	BASKETBALL				
APRIL					
MAY	BASEBALL				
JUNE	BASKETBALL	POOTBALL(@)			
JULY	BASEBALL				
AUGUST					
SEPTEMBER	FOOTBALL (@)				
OCTOBER	BASEBALL				
NOVEMBER	FOOTBALL (@)				
DECEMBER					

ing rival team)

last night's game their win seriously damaged the chances of the Yankees (longstandion per day, like 'The Red Sox can't make the playoffs (championship games), but in I would subscribe to a Twitter feed that supplied you with one reasonable sports opin-

## Sudoku

Solution, page 11

	7							
3		2			1			9
		8	5				6	7
				7	6	9	1	
8		7				5		6
	6	1	2	4				
5	1				4	7		
<b>5 6</b>			1			4		5
							9	

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

## **Techdoku**

Solution, page 11

12×	1 1 1 1 1 1 1	12+			8+
2		60×			
30×			24×		
16+					5×
14+			3÷	5÷	
	10+				3

16 THE TECH FRIDAY, SEPTEMBER 14, 2012



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Sep 20th [17:30-18:30]

Venue: Compton Laboratories (Building 26), Room 328

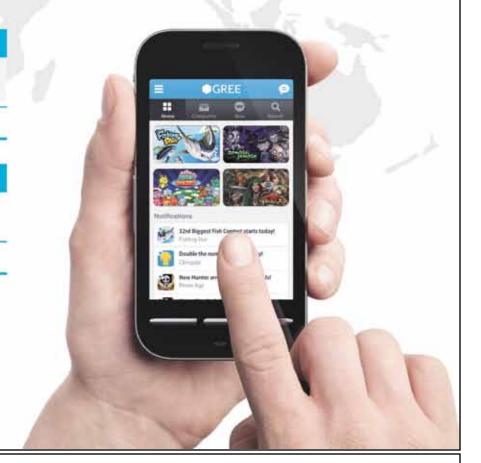
## Career Fair

Sep 21th [10:00-16:00]

Venue: Johnson Athletics Center (Building 34), 1st Floor

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